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Patentanmeldung Nr. Patent application No. Demande de brevet n°

03388080.8

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R C van Dijk



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Anmelder/Applicant(s)/Demandeur(s):

Sony Ericsson Mobile Communications AB

221 88 Lund
SUEDE

Bezeichnung der Erfindung/Title of the invention/Titre de l'invention:
(Falls die Bezeichnung der Erfindung nicht angegeben ist, siehe Beschreibung.
If no title is shown please refer to the description.
Si aucun titre n'est indiqué se référer à la description.)

Interactive phone book

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Interactive phone book

Technical Field of the Invention

- 5 The invention relates to a method of selecting a number or address from a list stored in a telecommunications device for initiating a call or sending a message from the telecommunications device to said number or address.

Description of Related Art

- 10 Many telecommunications devices of today, such as mobile telephones, have a built-in list in the form of a so-called phone book in which a number of contact persons and their corresponding phone numbers or e-mail addresses are stored. To make a call or send a message to one of the contacts in the list, the name is selected and the call can be initiated or the message sent.
- 15 In some devices it is also possible to store more than one number/address for each person. To make a call or send a message from such a device today you select a contact, get a list of the phone numbers of that contact, and then you choose one of these numbers to call or send a message to. This means
- 20 that compared to the devices that store only one number per contact, an additional key press is needed to initiate the call, which is annoying to many users. Even in these devices some contacts will only have one number stored. In this situation the number may either be selected directly, or the list with numbers of that contact will be showed anyway. In the first case the extra
- 25 key press is avoided, but this solution is inconsistent, because the number of key presses differs depending on how many numbers there are stored for the selected contact person. In the other case the solution is consistent, but an additional key press is always needed.
- 30 Therefore, it is an object of the invention to provide a method of making phone calls or sending messages with as few key presses as possible, and which has a consistent interaction design regardless of whether single or multiple numbers are entered for a given contact person.

Summary

According to the invention the object is achieved in that the method comprises the steps of displaying, when a name is selected from the list, the selected name and a default one of the numbers or addresses corresponding to
 5 the selected name; scrolling, if the displayed default number or address is not the one to which a call should be initiated or a message sent, through the numbers or addresses corresponding to the selected name by means of a 4-way navigation device until the number or address to which a call should be
 10 initiated or a message sent is displayed; and selecting the displayed number or address.

In this way, when entering the contact list a number can be called directly with one key press. Other numbers can be scrolled to by e.g. left or right
 15 press on a 4-way navigation device. This means that one key press is saved compared to the prior art method. The suggested solution also has other advantages. If a wrong contact was selected, you do not have to go one step back; you can just select another contact by e.g. up or down press on the 4-way navigation device. Further, many users have only one number per contact (for all contacts), and with this solution these users never have to use the
 20 additional key press. Another advantage is that the same interaction design can be used for an internal phone book having the possibility of several numbers per contact, a SIM card phone book, which normally only allows a single number per contact, and e.g. a call list, i.e. a list of recent calls to or from the
 25 device, which also uses a single number per item.

The default number, i.e. the first shown number when a contact person is selected, can be user selectable, or it can be selected by the device in dependence of its mode. This is very efficient especially for messaging. When
 30 entering lookup to send an e-mail, the search contact will be displayed in the same way with the e-mail address as default. When sending an SMS/MMS, the mobile number will be default. The number can then be chosen with one-

There is the same look and the same interaction (direct Call) for contacts with several numbers/addresses per name and for SIM phone book, service numbers, information numbers, fixed numbers, SOS numbers, and user's own numbers. Whatever the list, (including call list), a call is set up on the first press.

Further, the method allows for easy and intuitive multiple select, i.e. when the same message is to be sent to several recipients.

Very few key presses are needed to make a call. When entering the contact list, a number can be called directly with one key press. Only two key presses are needed when using the shortcut from standby mode to phone book, and four key presses when using the menu.

Brief Description of the Drawings

The invention will now be described more fully below with reference to the drawings, in which

figure 1 shows an example of a display according to the invention, and figure 2 shows an example of multiple select.

Detailed Description of Embodiments

Phonebook Vision

4
I can easily reach the people I know”

organize and simplify everyday communication with my
contact network

Our Goals

- Easy to use
- Easy to understand
- Efficient
- Easy for other applications to interact with Phonebook

Pros (limitations)

- ||M| phonebook has one number per name - no features
- ||M| phonebook has features, but limited portability
- ||M| sync between the two is technically impossible
- ||M| end users do not understand the difference

6

Design concept

- Choices
 - Phone Centric ("Contacts")
 - SIM Centric ("SIM numbers")
- Operator and/or user selects primary
- Following items point to selected Phonebook:
 - default view
 - shortcuts
 - where to save added names, number etc
 - access to phonebook from other applications
 - phonebook menu contains "the other" phonebook

- [Recommended selection: "Contacts"]

Ability:

Automatically copy new entries from phone to SIM

Automatically copy edited entries

Copies immediately after Save

Phone...with **Auto-copy to SIM**

Your SIM is always up-to date!

∞

Operator and/or user selects On/Off

Recommended setting: Auto-copy ON]

No, question "Copy from SIM to phone?" pops up when
entering an empty "Contacts" list

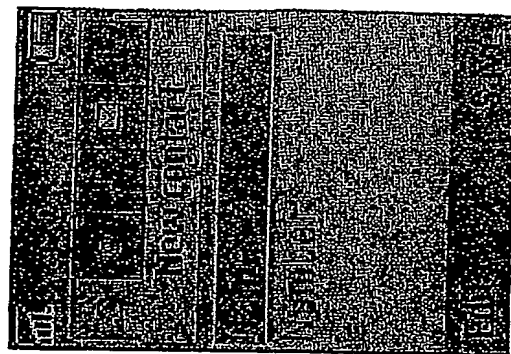
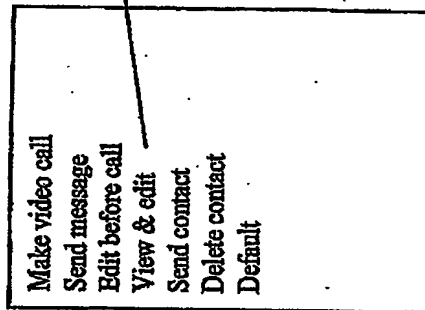
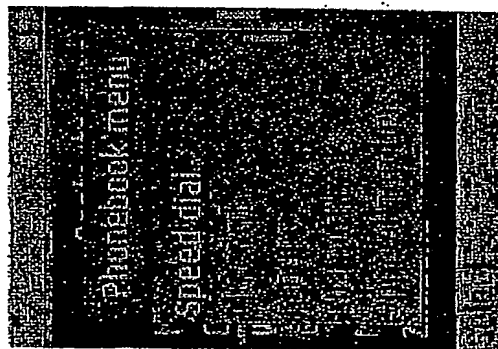
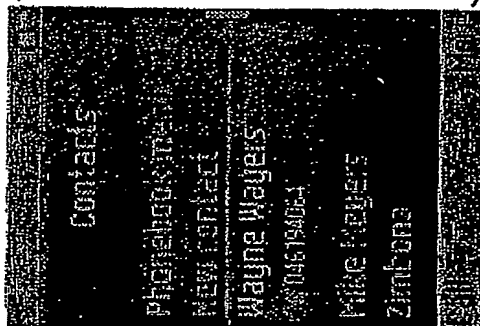
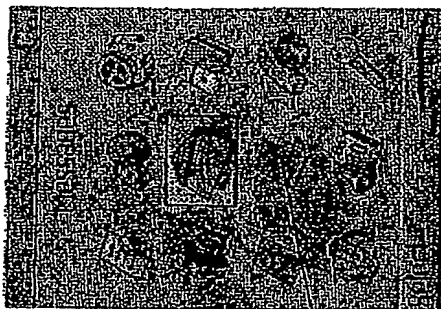
Phonebook (Contacts) Overview

Entry point 1: Joystick down

Entry point 2: Long presses on letters (alpha shortcuts)

Entry point 3: Via main menu

All lead to "Contacts"



10

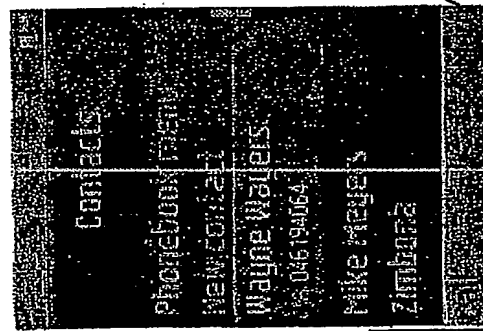
Phonebook (Contacts)

Phonebook list

- Efficient to call, scroll through numbers with joystick left/right
- Option "New", added to contact list - easy to find
- New Functions like Send message, Go to page

Phonebook contacts

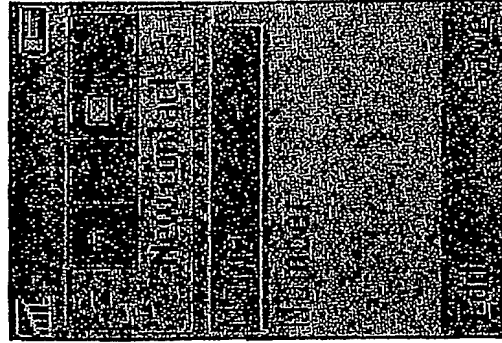
- Contact Information under Tabs, first tab includes "standard data"



Phonebook is dynamic:

- Mail (if e-mail adr)
- Page (if URL)
- New contact (if new contact)
- Phonebook menu

Make video call
Send message
Edit before call
Edit contact
Send contact
Delete contact
Default
Edit position



Phonebook (SIM Numbers)

Overview.

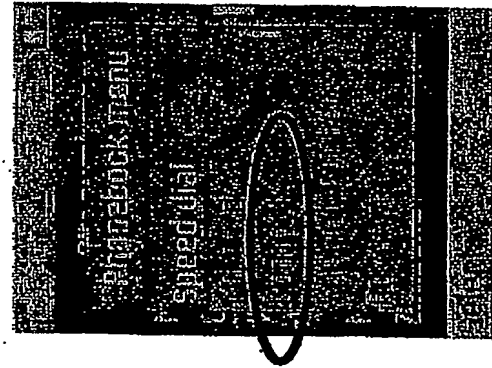
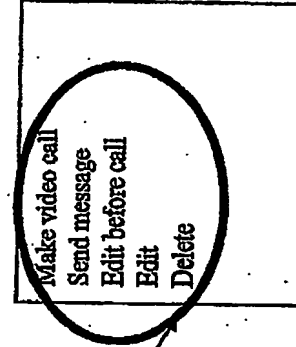
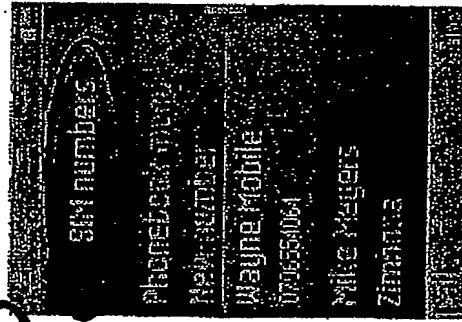
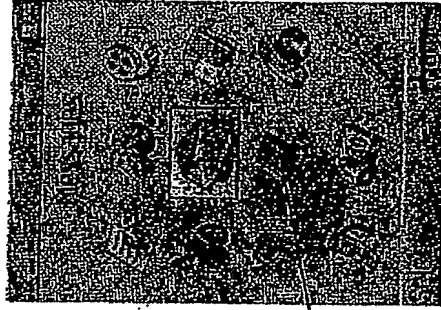
Similar to "Contacts",
except where circled

Entry point 1: Joystick down.

Entry point 2: Long presses on letters (alpha shortcuts)

Entry point 3: Via main menu

All lead to "SIM Numbers"



new features

copy individual/all entries SIM → phone, phone → SIM.

Create individual entries on SIM or on phone

possibility to start other applications from phonebook e.g.

MMS, e-mail, browser

new fields: address, free text, URL

Letter search

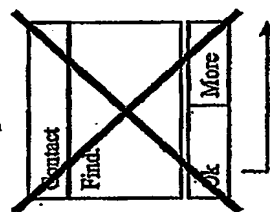
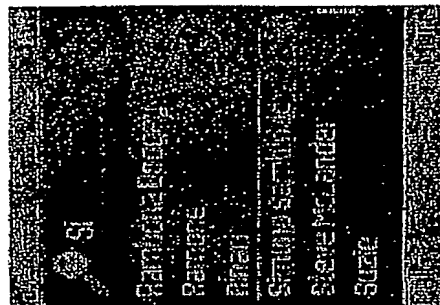
Final screen removed

line editing

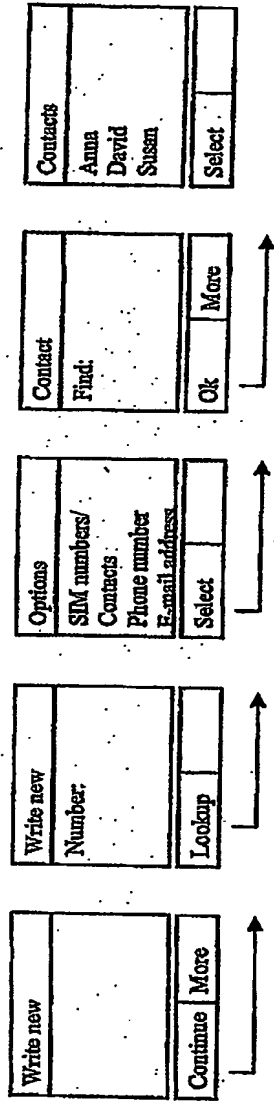
over steps in

Message addressing

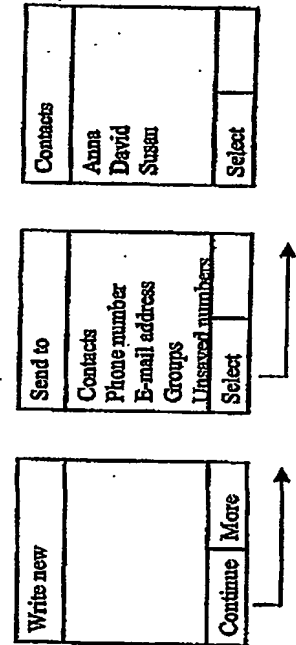
next page)



Messaging – get recipients (T610)

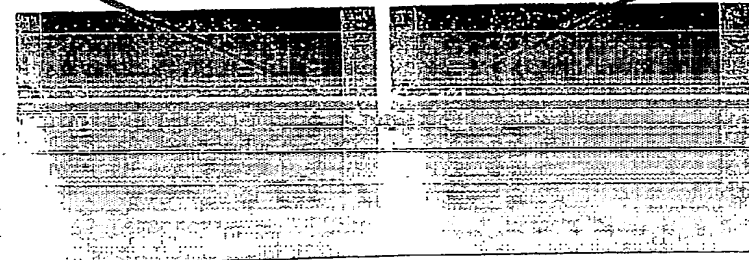


Messaging – get recipients (PPSP)



Press to numbers and addresses - 3 variants

Additional "2-row interactive" Combination

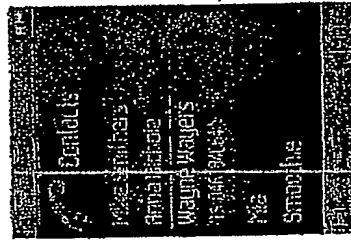


Overview

if 3+ numbers?

select not

possible (future)

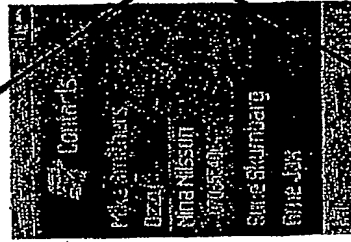


Efficient calling - 1 step less

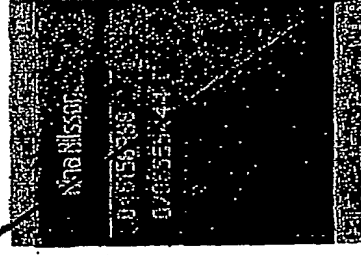
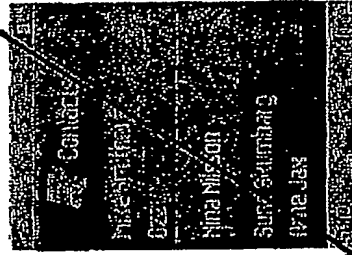
Same behaviour for all lists

Won't forget to press "call"

Efficient messaging - 1 step less



Inconsistent, unpredictable



P a t e n t c l a i m s :

- 5 1. A method of selecting a number or address from a list stored in a tele-
communications device for initiating a call or sending a message from the
telecommunications device to said number or address,
said list comprising names and corresponding numbers or addresses, and
the telecommunications device being capable of storing several numbers or
addresses for each name in the list, the method comprising the steps of:
- 10 • displaying, when a name is selected from the list, the selected name
and a default one of the numbers or addresses corresponding to the
selected name;
- 15 • scrolling, if the displayed default number or address is not the one to
which a call should be initiated or a message sent, through the num-
bers or addresses corresponding to the selected name by means of a
4-way navigation device until the number or address to which a call
should be initiated or a message sent is displayed; and
- 20 • selecting the displayed number or address.
- 20 2. A method according to claim 1, wherein said default one of the numbers or
addresses corresponding to the selected name depends on a mode of said
telecommunications device.

1/2

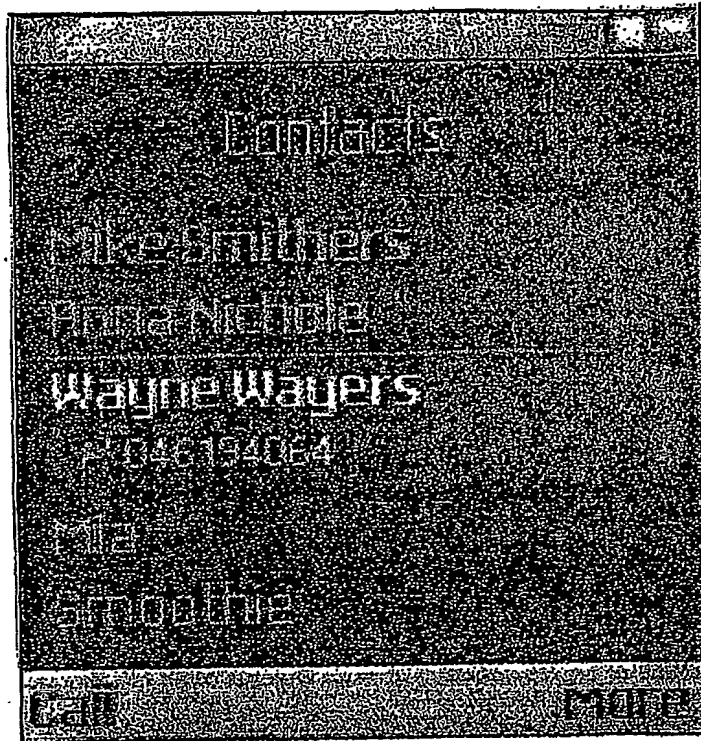


Fig. 1

2/2

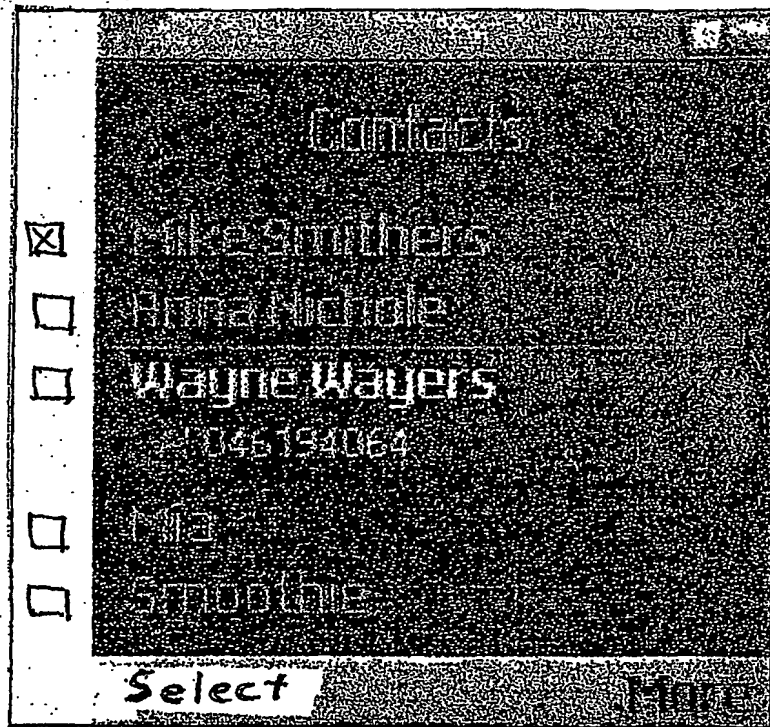


Fig. 2

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